



PATENT

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Application No.:

10/607,023

Confirmation No.:

5563

Filed:

June 27, 2003

Inventor:

Lin et al.

Title:

TETRACALCIUM

PHOSPHATE (TTCP) HAVING CALCIUM

PHOSPHATE WHISKER ON

SURFACE

Examiner:

Koslow, C.M.

Art Unit:

1755

Atty. Dkt. No:

5937-00204/EBM

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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INFORMATION DISCLOSURE STATEMENT

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Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents (references C1-C63) are enclosed for the convenience of the Examiner.

Inventors: Lin et al. Appl. Ser. No.: 10/607,023

Atty. Dckt. No.: 5937-00204

Applicant believes no fees are due with this submission. Should any other fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5937-00204/EBM.

Respectfully submitted

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Date: 3 11 15



List of Patents and Publications
For Applicant's Information
Disclosure Statement

ATTY. DOCKET NO: 5937-00204

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U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	3679360	1972-07-25	Rubin et al.			
	A2	5342441	1994-08-30	Mandai et al.			
	A3	5536575	1996-07-16	Imura et al.			
	A4	5569490	1996-10-29	Imura et al.			
	A5	5652016	1997-07-29	Shiro et al.			
	A6	6325987	2001-04-29	Sapieszko et al.			
:	A7	5149368	22-Sep-1992	Liu et al.			
	A8	5180426	19-Jan-1993	Sumita			
	A9	5503164	2-Apr-1996	Friedman			
	A10	5814681	29-Sep-1998	Hino et al.			

FOREIGN PATENT DOCUMENTS

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							Abstract
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- C1 Sugawara et al., "Calcium Phosphate Cement: An In Vitro study of Dentin Hypersensitivity", The Journal of the Japanese Society for Dental Materials and Devices, 1989, Vol. 8, pp. 282-294.
 - C2 Pickel et al., "The Effect of a Chewing Gum Containing Dicalcium Phosphate on Salivary Calcium and Phosphate", Ala. J. Med. Sci. 1965, Vol. 2, pp. 286-287.
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	C5.	Hong et al., The Periapical Tissue Reactions to a Calcium Phosphate Cement in the Teeth of Monkeys," J Biomed Mater Res. April 1991, Vol. 25(4), pp. 485-98.								
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	C9	Shindo, et al., "Facial Skeletal Augmentation Using Hydroxyapatite Cement," Arch. Otolaryngol. Head Neck Srug. 1993, Vol. 119, pp. 185-190.								
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-	C16	Driskell et al., "Development of Ceramic and Ceramic Composite Devices for Maxillofacial Applications", J. Biomed. Mat. Res. 1972, Vol. 6, pp. 345-361.								
41	C17	Hiatt et al., "Root Preparation I. Obduration of Dentinal Tubules in Treatment of Root Hypersensitivity", J. Periodontal, 1972, Vol. 43, pp. 373-380.								
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	C20	Kenney et al., "The Use of a Porous Hydroxyapatite Implant in Periodontal Defects," J. Periodontal, 1988, pp. 67-72.								
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	C22	Waite, et al., "Zygomatic Augmentation with Hydroxyapatite," J. Oral Maxillofac Surg 1986, pp. 349-352.								

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	C24	Grote, "Tympanoplasty With Calcium Phosphate," Arch Otolaryngology 1984, Vol. 110, pp. 197-199.								
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	C27	Misch, "Maxillary Sinus Augmentation for Endosteal Implants: Organized Alternative Treatment Plans," Int J Oral Implant 1987, Vol. 4(2), pp. 49-58.								
	C28	Chohayeb, A. A. et al., "Evaluation of Calcium Phosphate as a Root Canal Sealer-Filler Material," J Endod 1987, Vol. 13, pp. 384-386.								
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	C31	Chow et al., "X-ray Diffraction and Electron Microscopic Characterization of Calcium Phosphate Cement Setting Reactions," IADR Abstract, 1987. (1 page)								
	C32	Block et al. "Correction of Vertical Orbital Dystopia with a Hydroxyapatite Orbital Floor Graft," J. Oral Maxillofac Surg 1988, Vol. 46, pp. 420-425.								
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	C37	McDowell et al., "Solubility of BCa ₅ (PO ₄) ₃ OH in the System Ca(OH) ₂ H ₃ PO ₄ H ₂ O at 5, 15, 25 and 37 °C.," J. Res. Nat. Bur. Stand. 1977, Vol. 91A, pp. 273-281.								
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	C39	Moreno et al., "Stability of Dicalcium Phosphate Dihydrate in Aqueous Solutions and Solubility of Octocalcium Phosphate," Soil Sci. Soc. Am. Proc. 1960, Vol 21, pp. 99-102.								
	C40	Chow et al, "Self-Setting Cal	cium Phosphate C	Cements," Mat. Res. Soc. Symp.	Proc. pp. 3-2	23.				
	C41	Miyazaki et al., "Chemical Change of Hardened PCA/CPC Cements in Various Storing Solutions", The Journal of the Japanese Soc. for Dental Materials and Devices, 1992, Vol. 11, No. 2.								
	C42	Fukase et al, "Thermal Conductivity of Calcium Phosphate Cement", IADR Abstract, 1990 (1 page).								
	C43	Sugawara et al. "Biocompatibility and Osteoconductivity of Calcium Phosphate Cement", IADR Abstract 1990. (1 page)								

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	C46	Matsuya et al., "Effects of pH on the Reactions of Tetracalcium Phosphate and Dicalcium Phosphate", IADR Abstract 1991. (1 page).								
	C47	Briner et al., "Significance of Enamel Remineralization", J. Dent. Res. 1974, Vol. 53, pp. 239-243.								
	C48	Chow, "Development of Self-Setting Calcium Phosphate Cements", Journal of The Ceramic Society of Japan, 1991, Vol. 99 [10], pp. 954-964.								
	C49	Brown et al., A New Calcium Phosphate, Water Setting Cement, Cements Research Progress 1986, P. W. Brown, Ed., Westerville, Ohio: American Ceramic Society, 1988, pp. 352-379.								
	C50	Sugawara et al., "Evaluation of Calcium Phosphate as a Root Canal Sealer-Filler Material" IADR/AADR Abstract, 1987, (3 pages).								
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	C53	Fukase et al., "Setting Reactions and Compressive Strengths of Calcium Phosphate Cements", J Dent Res 1990, Vol 69(12), pp. 1852-1856.								
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	C55	U.S. Patent and Trademark Office, "Office communication" for U.S. Application Serial No. 10/944,278 mailed February 22, 2005 (8 pages).								
	C56	Claims from Co-Pending United States patent Appl. Ser. No. 10/773,701, 3 pages								
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	C59	Claims from Co-Pending United States patent Appl. Ser. No. 10/633,511, 5 pages								
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